

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PW FORM PAT-1449)  
Patent and Trademark Office

Atty.  
Dkt. No.

M#

Client Ref.

0306166

T2TT-03S0060-1

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: MANABU AKAMATSU

Appln. No.: 10/674,424

Filing Date: October 1, 2003

Examiner: UNKNOWN

Group Art Unit: 2655

Date: April 30, 2004

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of

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**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
SAC	AR	4,922,437	05/1990	SAKATA et al.	710	57	
SAC	BR	5,243,471	09/1993	SHINN	360	48	
SAC	CR	5,341,249	08/1994	ABBOTT et al.	360	46	
SAC	DR	6,014,411	01/2000	WANG	375	259	
SAC	ER	6,023,386	02/2000	REED et al.	360	51	
SAC	FR	6,023,783	02/2000	DIVSALAR et al.	714	792	
SAC	GR	6,108,388	08/2000	DOUILLARD et al.	375	348	
SAC	HR	6,249,398 B1	06/2001	FISHER et al.	360	65	
SAC	IR	6,304,985 B1	10/2001	SINDHUSHAYANNA et al.	714	702	
SAC	JR	6,334,197 B1	12/2001	EROZ et al.	714	701	
SAC	KR	2003/0161062 A1	08/2003	AKAMATSU	714	786	
SAC	LR	2003/0174426 A1	09/2003	AKAMATSU	714	786	
SAC	MR	2004/0076245 A1	04/2004	OKAMOTO et al.	375	341	
	NR						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
	OR	3318937	06/2002	Japan			X		X
SAC	PR	10-255402	09/1998	Japan	OSHIMA	X			X
SAC	QR	2002-198827	07/2002	Japan	KOKUSAI	X			X
SAC	RR	2001-211411	08/2001	Japan	MATSUSHITA	X			X
SAC	SR	2001-344903	12/2001	Japan	KATO et al.	X			X
	TR								
	UR								

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

SAC	VR	Hagenauer et al., "A Viterbi Algorithm with Soft-Decision Outputs and its Applications," German Aerospace Research Establishment, Institute for Communications Technology, 1989, pages 1680-1686							
SAC	WR	Yeo et al., "VLSI Architectures for Iterative Decoders in Magnetic Recording Channels," IEEE Transactions of Magnetics, Vol. 37, No. 2, March 2001, Pages 748-755							
SAC	XR	Isaka et al., "A tutorial on "parallel concatenated (Turbo) coding," "Turbo (iterative) decoding" and related topics," The Institute of Electronics, Technical Report of IEICE, 1998, pages 1-18							
	PR								

Examiner

Date Considered: 5-22-06

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: MANABU AKAMATSU

Appln. No.: 10/674,424

Filing Date: October 1, 2003

Date: December 7, 2004

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of

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Examiner: UNKNOWN

Group Art Unit: 2655

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (If appropriate)
SAC	AR 6,043,946	03/2000	Genheimer et al.	360	63	
SAC	BR 6,038,091	03/2000	Reed et al.	360	46	
	CR					
	DR					
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**FOREIGN PATENT DOCUMENTS**

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
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	PR							
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	WR							
	XR							
	YR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SAC ZR Austrian Patent Office Search and Examination Report issued June 4, 2004.

AAR

BBR

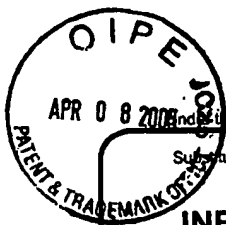
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Date Considered:

5-22-06

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PTO/SB/08a (08-03)  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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### Complete if Known

Application Number	10/674,424
Filing Date	10/01/2003
First Named Inventor	MANABU AKAMATSU
Art Unit	2655
Examiner Name	Unassigned
Attorney Docket Number	008312-0306166

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
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### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
SAC		JP 2002-164946	06/07/2002	KUWABARA et al.		

Examiner  
Signature

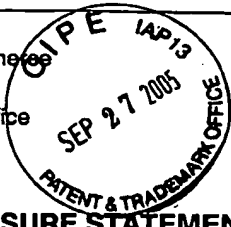
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5-12-06

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	008312-0306166	T2TT-03S0060-1

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: AKAMATSU	
Appln. No.: 10/674,424	
Filing Date: October 1, 2003	
Examiner: Unassigned	Group Art Unit: 2655

Date: September 27, 2005      Page 1 of 1

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SAC	OR JP 2004-086994	03/2004	Japan	TAGUCHI et al.	x			
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	XR							

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SAC	YR	Japanese Office Action dated August 23, 2005 for Appln. No. 2002-288908				
	ZR					
	AAR					
	BBR					
	CCR					

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Applicant: MANABU AKAMATSU

Appl. No.: UNKNOWN 10/674,424

Filing Date: October 1, 2003

Examiner: UNKNOWN

Group Art Unit: UNKNOWN

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Page 1 of 1

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	UR									
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	XR									

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SAC	YR	Wu, "Coding and Iterative Detection for Magnetic Recording Channels," The Kluwer International Series in Engineering and Computer Science, pages 21-46			
	ZR				
	AAR				
	BBR				
	CCR				

Examiner

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